

## Page 1 of 1

All amounts are calculated in domestic currency.

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MARB Reject Qty	Book Amt
Vendor ID/Vendor Name		VC-MET001	Metaux Castle								
PO27134	2		M174B1.250X0.200-f		2/6/2015	2/3/2015	12.0000	\$54.06	0.0000	0	\$648.78
CAD	No		17-4 SS Bar 1.250 x f 2.00 ml31457		12.0000	DCUSER		\$648.78	0.0000	0	
									Total Received Quantity:	12.0000	
									Total Qty to Inspect (PO U/M):	0.0000	
									Total Reject Quantity:	0.0000	
									Total Receipt Value:	\$648.78	
									Total Balance Due Quantity:	0.0000	

**Castle Metals®**

A. M. Castle &amp; Co.

PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

Page 1 of 1


Shipment No:2485677

Ship From:		Sold To:	Ship To:	Deliver To:
A. M. Castle & Co. MONTREAL - CASTLE METALS 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN	DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA
Date Shipped	F.O.B.	Freight Terms	Carrier	BOL No
02-FEB-2015	ORIGIN	Prepaid	MANITOU LIN	2485677-2

Shipment Details	Final Destination Branch - MON
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Order No	Line No	Item No	Description
3707205	1	9166	1.2500.2.0000.FLAT.17CR-4NI.STAINLESS.HR.ANN.PICKLE.132.00 00-156.0000 SPECIFICATIONS: AMS 5643
Purchase Order No	Part Number	Ordered Qty	Invoice Qty
27134		12.00 FT	12.5000 FT

**Details**  
SHIP TO CASTLE, MONTREAL (POINTE-CLAIRE)  
CUSTOMS BROKER: GEORGE H. YOUNG  
END USER: DART AEROSPACE  
END USE: COMMERCIAL AIRCRAFT PARTS

Delivery No.	Mill	Heat Number	Mech Id	PCS	Width (IN)	Length (IN)	Shipped Qty(LBS)
119928928	VALBRUNA CORPORATION	 2619071		1		150.0000	105.0000

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.	
We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to size cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative:	Date: 02 FEB. 2015



These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law prohibited.  
Date Printed: 02-FEB-2015 10:42:43 AM



# Acciaierie Valbruna S.p.A.



**CERTIFICATO DI COLLAUDO  
ABNAHMEPRUEFZEUGNIS  
INSPECTION CERTIFICATE  
CERTIFICAT DE RECEPTION  
EN 10204 (2004) , 3.1**

36100 VICENZA (Italia) - Viale della scienza, 25 z.i.  
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Besteller/Purchaser/Client  
**VALBRUNA STAINLESS INC.**  
2400 TAYLOR STREET WEST  
46801-FORT WAYNE, IN 46801-US

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**  
Hersteller/Item/Usine produce

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER

Avviso di Spedizione: D-VI14007484  
Lieferungszeit/Packing list/B.L.

Certificato nr: MEST479780/2014/  
Prüfung/Test/Essa

Conferma ordine nr: EI14000009  
Werk/Our Order/Ref. nr.

Marchio di Fabbrica:  
Zeichen des Lieferwerkes  
Trade mark  
Sigle de l'usine - produce



Stato di fornitura: Hot rolled Descaled COND. A Hot rolled  
Lieferzustand/Delivery state/Etat de livraison

Tipo di Elaborazione: E+AOD  
Erhitzungsart/Melting process/Mode d'elaboration

Punzone del Collaudatore:  
Stempel des Werkssachverständigen  
Inspector's stamp/Pointon de l'essayeur



Specifiche:  
Anforderungen / Requiriments / Exigences

VSI FLAT 2.630 A  
AMS 5643 F S17400 A  
ASTM A564 2010 S17400 A

AISI 303  
ASME SA564 2010 S17400 A (0)  
ASTM F899 2012 630

AMS 2303 F  
ASTM A370 2012A

(0) SEC. II PT.A 2010 EDITION ADD. 2011A

Qualità: 630  
Werkstoff/Grade/Nuance

Marca:  
Markenbezeichnung  
Band/Nuance

V174

Tolleranza: ASTM A484-11 TABLE 5  
Toleranz/Allowance/Tolerance

Punzonatura: 630  
Kennzeichnung/Marking/Marquage

Pos. nr. Pos. nr. Item nr. Nr. de poste	Oggetto Gegenstand Product description Descrip. du produit	Dimensioni - In Abmessungen Dimension Dimensions	Lunghezza - In Länge Length Longueur	Colata Schmelze Heat Coulée	Pezzi Stückzahl Pieces Pièces	Peso - LB Gewicht Weight Poids	Lotto nr. Losnr. Lot nr. Lot nr.
0130	Flat	2,0000 x 1,2500	123 / 151	261907		2.161	307010190

## TEST ALLO STATO DI FORNITURA

Test on delivery condition Prüfung auf lieferbarem produkt test a l'etat de fourniture Prueba sobre el material así como entregado

TEST	Provetta/Probetas Specimen/Eproben Long diam. Spess. Bruta Diam. Dicke Widen Diam. Thickness Long diam. epais mm	°F	Post. Saggio Probenlage Location Emplacement 1)	Snervamento Streckgrenze Yield Stress Limite élastique	Snervamento Streckgrenze Yield Stress Limite élastique	Resistenza Zugfestigkeit Tensile strength Résistance à traction	Allungamento Bruchdehnung Elongation Allongement	Strizione Enschnürung Reduction of area Striction	Resilienza Kerbschlagarbeit Impact Value Resilience	Durezza Härte Hardness Dureté HB
Valori richiesti 1 Anforderungen/Required values Valeurs demandées		min max		-	-	-	-	-	-	363
A										339

TEST		min	max
A	Delta Ferrite		5,0
A	Grain size for ASTM E112		5
A	RATINGS FREQUENCY		1,10
A	RATINGS SEVERITY		1,05

## Sample cond. H900

Temperatura											
Tipo Trattamento	Temperatura	Raffreddamento	Permanenza	Tipo Trattamento	Temperatura	Raffreddamento	Permanenza	Tipo Trattamento	Temperatura	Raffreddamento	Permanenza
Wärmebehandlung	Temperatur	Abkühlung	Haltezeit	Wärmebehandlung	Temperatur	Abkühlung	Haltezeit	Wärmebehandlung	Temperatur	Abkühlung	Haltezeit
Heat Treatment	Temperature	Cooler	Permanence	Heat Treatment	Temperature	Cooler	Permanence	Heat Treatment	Temperature	Cooler	Permanence
Traitement Thermique	Température	Raffroidissement	Maintien	Traitement Thermique	Température	Raffroidissement	Maintien	Traitement Thermique	Température	Raffroidissement	Maintien
Aging	900 °F	AIR	60 "								

TEST	Provetta/Probetas	°F	Post. Saggio	Snervamento	Snervamento	Resistenza	Allungamento	Strizione		Resilienza	Durezza
	Specimen/Eproben		Probenlage	Streckgrenze	Streckgrenze	Zugfestigkeit	Bruchdehnung	Enschnürung	Kerbschlagarbeit	Härte	
	Long diam. Spess.		Location	Yield Stress	Yield Stress	Tensile strength	Elongation	Reduction of area <td>Impact Value<td>Dureté</td></td>	Impact Value <td>Dureté</td>	Dureté	
	Bruta Diam. Dicke		Emplacement	Limite élastique	Limite élastique	Résistance à traction	Allongement	Striction	Resilience <td>HB</td>	HB	
	Widen Diam. Thickness		1)	Rp 0,2%		Rm	E 4d	%	%		
	Long diam. epais			K.s.i.		K.s.i.	%				
	mm										
Valori richiesti 1		min		170	-	190	-	10	-	40	388
Anforderungen/Required values		max									444
Valeurs demandées											
B	12,5	68	L	184		200		15		52	432

1) L=longitudinale/länge, T=transversale/quer, Q=Tangenziale/tangentiel

Mechanical properties according to ASTM A370.  
Delta Ferrite according to AMS 2315.

Vicenza, 04/03/14 VCO008 (Mod. MCE2)	Il collaudatore di stabilimento / der Werkssachverständiger / Works inspector / L'agent d'usine M. Rizzotto	Pagina - 1 di 2
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# Acciaierie Valbruna S.p.A.



**CERTIFICATO DI COLLAUDO**  
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36100 VICENZA (Italia) - Viale della scienza, 25 z.i.  
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Besteller/Purchaser/Client  
**VALBRUNA STAINLESS INC.**  
2400 TAYLOR STREET WEST  
46801-FORT WAYNE, IN 46801-US

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**  
Hersteller/Item/Usine produce

Stato di fornitura: Hot rolled Descaled COND. A Hot rolled  
Lieferzustand/Delivery state/Etat de livraison

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER

Avviso di Spedizione: D-VI14007484  
Lieferanzeige/Packing list/B.L.

Ordine nr: 37513 STOCK CAROL STR  
Bestell/Your order/Commande

Tipo di Elaborazione: E+AOD  
Erschmelzungsart/Melting process/Mode d'elaboration

Certificato nr: MEST479780/2014/  
Prüfung/Test/Essai

Conferma ordine nr: E114000009  
Works/Our Order/Fail nr.

Marchio di Fabbrica:  
Zeichen des Lieferwerkes  
Trade mark  
Sigle de l'usine productrice



Punzone del Collaudatore:  
Stempel des Werkssachverständigen  
Inspector's stamp/Pointon de l'essayeur



DAS  
14  
9-89

15/02/05

## Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata / Heat Schmelze/Coulée	min - max 0,070	- 1,00	- 1,00	15,00 17,00	- 0,50	3,00 5,00	3,00 5,00	- -	- 0,040	- 0,030	- 0,050	- -	- -	- -	- -	- -
	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	N %	Ta %				
261907	0,037	0,39	0,49	15,11	0,21	3,37	4,53	0,091	0,024	0,001	0,039	0,0014				
Colata / Heat Schmelze/Coulée	min 0,150 max 0,350	5°C 0,350														
261907		Nb%+Ta% 0,272		Cb(Nb)% 0,271												

Micro and macro etch test: satisfactory.  
Produced without class I-II Ozone depleting substances.  
Material solution annealed 1904F for 1 h ,  
air cooled to below 90F.  
Material is DFARS Compliant

Sono state soddisfatte tutte le condizioni richieste  
Die gestellten Anforderungen sind i. d. Anlage erfüllt  
The material has been furnished in accordance with the requirements  
Le matériel a été trouvé conforme aux exigences

Controllo antimescolanza: OK  
Verwachsungsprüfung: spektralanalytisch durchgeführt  
Antimixing testing performed: OK  
Contrôle antimélange fait: r. a. s.

Controllo visivo e dimensionale: soddisfa le esigenze  
Besichtigung und Ausmessung: ohne Beanstandung  
Visual inspection and dimensional checks: satisfactory  
Contrôle visuel et dimensionnel: satisfaisant

Melted and manufactured in Italy No welding or weld repair Material free from Mercury contamination  
We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.  
The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1, s. 4.3 by TUEV and LLOYD'S  
Any act of tampering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction.  
The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.

Vicenza, 04/03/14  
VCC008  
(Mod. MCE2)

Il collaudatore di stabilimento / der Werkssachverständiger / Works inspector / L'agent d'usine  
M. Rizzotto

Pagina - 2 di 2



# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M17-4 B1.250X2.000  
 RECEIVED BY: Sonia P  
 DATE: 15/02/03  
 P/O#: 27134  
 QUANTITY ORDERED: 12'  
 THICKNESS ORDERED: 1.25X2.00  
 SHEET SIZE: \_\_\_\_\_  
 MATERIAL CERT RECEIVED: yes  
 QUANTITY RECEIVED: 12.5'  
 THICKNESS RECEIVED: 1.25X2.00  
 SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
INCORRECT FINISH	Y <input checked="" type="radio"/> N	
CORROSION	Y <input checked="" type="radio"/> N	
INCORRECT GRAIN DIRECTION	Y <input checked="" type="radio"/> N	
INCORRECT MATERIAL	Y <input checked="" type="radio"/> N	
INCORRECT THICKNESS	Y <input checked="" type="radio"/> N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D

*testers located in the Quality Office*

QC 18 INSPECTION	DAS	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>[Signature]</u>	14	BY: _____
DATE: <u>15/02/03</u>	0-89	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO27134**

Purchase Order Date 1/20/2015

PO Print Date 1/20/2015

Page Number 1 of 3

**Order From :** VC-MET001  
METAUX CASTLE  
A.M. CASTLE & CO. (CANADA) INC. - C/O 910720  
P.O. BOX 4090 STN A  
TORONTO, ON M5W OE9  
CA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**FAXED**

<b>Contact Name</b>		<b>Buyer</b>	Chantal Lavoie
<b>Vendor Phone</b>	514 694 9575	<b>Customer POID</b>	
		<b>Customer Tax #</b>	10127-2607
<b>Ship To Contact</b>		<b>Terms</b>	Net 10
<b>Ship To Phone</b>		<b>Currency</b>	CAD
<b>Ship Via:</b>	VENDOR'S TRUCK	<b>FOB</b>	FCA - (Free Carrier)
<b>Ship Acct:</b>			

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M174PH-H900R0.500	17-4SS H900 ROUND BAR 0.500	1/27/2015 Yes 1/27/2015		120.00 f	\$4.78	\$573.60

MATERIAL: 17-4 PH COND. H900  
AS PER AMS 5643

NOTE:  
PLEASE SHIP ALL MATERIAL TO METCOR INC.  
560 BOULV. ARTHUR SAUVE  
SAINT-EUSTACHE, QC  
J7R-5A8  
450-473-1884

*8015-02-3*

**Line Total:** \$573.60

**Note:**

1/20/2015



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO27134**

Purchase Order Date 1/20/2015

PO Print Date 1/20/2015

Page Number 2 of 3

**Order From :** VC-MET001  
METAUX CASTLE  
A.M. CASTLE & CO. (CANADA) INC. - C/O 910720  
P.O. BOX 4090 STN A  
TORONTO, ON M5W OE9  
CA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**  
**Vendor Phone** 514 694 9575  
  
**Ship To Contact**  
**Ship To Phone**  
**Ship Via:** VENDOR'S TRUCK  
**Ship Acct:**

**Buyer** Chantal Lavoie  
**Customer POID**  
**Customer Tax #** 10127-2607  
**Terms** Net 10  
**Currency** CAD  
**FOB** FCA - (Free Carrier)

2	M174B1.250X02.000	17-4 SS Bar 1.250 x 2.00	2/6/2015 Yes 2/6/2015	12.00	12.5	\$62.72	\$752.64
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MATERIAL: 17-4 PH SS BAR AS PER AMS 5604/5643  
GRAIN MUST BE ALONG LENGTH OF BAR  
MINIMUM YIELD TENSILE STRENGTH = 100KSI  
MINIMUM ULTIMATE TENSILE STRENGTH = 150KSI

**Line Total:** \$752.64

3	M303B1.000X1.000	303 BAR 1" X 1"	2/27/2015 Yes 2/27/2015	12.00 f		\$19.08	\$228.96
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MATERIAL: AISI 303 SS BAR AS PER ASTM A582  
NOTE: AISI 304/316 NOT ACCEPTABLE

**Line Total:** \$228.96

**Note:**

1/20/2015





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO27134**

Purchase Order Date 1/20/2015

PO Print Date 1/20/2015

Page Number 3 of 3

**Order From :** VC-MET001  
METAUX CASTLE  
A.M. CASTLE & CO. (CANADA) INC. - C/O 910720  
P.O. BOX 4090 STN A  
TORONTO, ON M5W OE9  
CA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**  
**Vendor Phone** 514 694 9575  
  
**Ship To Contact**  
**Ship To Phone**  
**Ship Via:** VENDOR'S TRUCK  
**Ship Acct:**

**Buyer** Chantal Lavoie  
**Customer POID**  
**Customer Tax #** 10127-2607  
**Terms** Net 10  
**Currency** CAD  
**FOB** FCA - (Free Carrier)

5	71401-45	PROCUREMENT QUALITY CLAUSES	2/6/2015	1.00	\$0.00	\$0.00
			No			
		Procurement Quality Clauses	2/6/2015			
		A005 right of entry				
		A012 chemical and physical test report				
		A016 personnel qualification				
		A017 raw material identification (as applicable)				
		A026 certification of materila conformance				
		A041 quality management system				
		A042 dart notification by supplier				
		A043 retention of quality documents				

**Line Total:** \$0.00

**PO Total:** \$1,555.20

**Note:** Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Change Nbr: 1

Change Date: 1/20/2015